Bangalore Water Supply and Sewerage Board

Tender Document for the "Work of Supply, installation and commissioning of 10KW solar roof top plant OFF GRID Solar Power plant on top of the East-2 division office with 5 years of O&M of the plant coming under AEE(DE&PS)-1 sub division"

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BANGALORE WATER SUPPLY AND SEWERAGE BOARD
Office of The Executive Engineer DE&PS Division
MargosaRoad,,Malleshwaram, Bangalore-560055

INVITATION FOR TENDER

(ONLY THROUGH KARNATAKA PUBLIC PROCUREMENT TENDERING)

IFT No.: BWSSB / EDEPSTE/AE / 99 / 2024 – 25 Dtd: 11 -6 -2024

Karnataka Public Procurement Tender Notification

The **Executive Engineer, DE & PS Division, BWSSB**, Bangalore-560055 invites Item Wise rate Karnataka public procurement Tenders two Cover System from Eligible registered Contractors of BWSSB/KPWD/KUWS & DB/KUIDFC/BBMP/BDA for the "Work of Supply, installation and commissioning of 10KW solar roof top plant OFF GRID Solar Power plant on top of the East-2 division office with 5 years of O&M of the plant coming under AEE(DE&PS)-1 sub division.l."

Amount put to Tender-Rs. 13,51,431/-

Period of view/Download of Tender Document is from 13 - 6 -2024 to 28 - 6 -2024 up to 11.00 AM hrs. Last Date for uploading tender documents is 28 - 6 -2024 at 11:00 AM. The details regarding the tender and participation in the Karnataka public procurement portal can be obtained by logging on to website **http://kppp.karnataka.gov.in**

Executive Engineer
DE & PS Division
18th cross, Margosa road
Malleswaram, Bangalore-55.

.

TENDER REFERENCE	No. BWSSB/EDEPSTE/AE/ 99 /2023-24 Dt.-11 -62024
TENDER NAME	Work of Supply, installation and commissioning of 10KW solar roof top plant OFF GRID Solar Power plant on top of the East-2 division office with 5 years of O&M of the plant coming under AEE(DE&PS)-1 sub division.
PERIOD OF VIEW/DOWNLOAD OF TENDER DOCUMENT	From: 13 - 6 -2024 To: 28 -6 - 2024
LAST DATE FOR UPLOADING TENDER DOCUMENTS	28 -6 -2024 11:00AM
TIME AND DATE OF OPENING OF TENDERS(TECHNICAL BID)	29 -6 -2024 11:15AM
ADDRESS FOR COMMUNICATION	Office of Executive Engineer (DE& PS)Division 18th cross, Margosa road Malleswaram, Bangalore. Telephone: 080-29917885.

BANGALORE WATER SUPPLY AND SEWERAGE BOARD
Office of The Executive Engineer DE&PS Division
MargosaRoad,Malleshwaram, Bangalore-560055

SECTION 1

INVITATION FOR TENDER
(ONLY THROUGH KARNATAKA PUBLIC PROCUREMENT TENDERING

http://kppp.karnataka.gov.in

IFT No.: BWSSB / EDEPSTE/AE/ 99 / 2023- 24 Dtd: 11 - 6 -2024

1. **The Executive Engineer, DE & PS Division, BWSSB**, Bangalore-560055 invites tenders from eligible tenderers, for the works detailed in the Table below. The tenderers may submit tenders for any or all of the works given in the Table. Two Cover Tender procedure as per Rule 28 of the KTPP Act shall be followed. The Tenderers are advised to note the minimum qualification criteria specified in Clause 3 of the Instructions to Tenderers to qualify for the award of the contract.

   1. The Tenderers are required to pay the Earnest Money Deposit only through the Karnataka public procurement portal using any of the four modes.

      1. **Credit Card (Online Payment)**
      2. **Direct Debit Using Internet Banking (Online Payment)**
      3. **Remittance at the Bank Counter - Challan (Offline Payment)**
      4. **NEFT (National Electronic fund transfer) (Online payment).**

   The details regarding their capability to undertake the tender (as detailed in ITT Clause 4) and the price tender shall be uploaded in the website. Technical details will be opened on the date and time mentioned in ITT clause 5 and evaluated. The price tender of the Tenderer, who is found to be qualified to execute the tendered works, will be opened on the date notified later. The Tenderers are advised to note the minimum qualification criteria specified in Clause 3 of the Instructions to Tenderers to qualify for the award of the contract.

2. Tender documents may be downloaded from http://kppp.karnataka.gov.in website only. Interested tenderers may obtain further information at the same address.

3. Additional information related to the Karnataka public procurement process can be obtained through the above-mentioned website or contact Karnataka public procurement helpdesk No.**080-2550 1216 / 2550 1227**.

4. Bidders can access tender documents from http://kppp.karnataka.gov.in website only and upload the required details; those are mentioned in different sections in the bid document into electronic tender on the website. Scanned documents those are required to be furnished as per Sections 2, 3 & 4 of the bid document shall be submitted through the Karnataka public procurement portal.

5. The Tender processing fee once paid will not be refunded.

6. The Last date and time for Receipt of tenders will be on 28 / 6 /2024 upto 11:00 AMHrs **and the date of opening of the tender will be on 29 /6 /2024 after 11:15 AM Hrs.**

1. Details of the work.

Sl. No	Name of the work	The amount put to tender Rs. (approx)	EMD 2%	Tender Processes sing fee	Period of completion
1	Work of Supply, installation and commissioning of 10KW solar roof top plant OFF GRID Solar Power plant on top of the East-2 division office with 5 years of O&M of the plant coming under AEE(DE&PS)-1 sub division	Rs.13,51,431 /-	Rs.38,500 /-	As per Karnataka public procurement portal	3 Months

2. Eligibility Criteria

i. Contractors should have a valid Electrical **contractor license issued by the KSEI/any other valid authority.** (Class III and above)

Qualification of the Tenderer:

ii. All tenderers shall provide the requested information accurately and in sufficient detail in Section 3: Form of Tender and Qualification information.

iii. To qualify for the award of this contract, each tenderer in its name should have in the last five years i.e., 2019-2020 to 2023-2024

(i.)satisfactorily completed as prime contractor, at least one similar nature of work consisting supply, installation and commissioning of any capacity OFF grid roof top solar power plant.

e) Eligible tenderers will be qualified only if their available tender capacity is more than the total tender value. The available tender capacity will be calculated as under:

Assessed available tender capacity = (A*N*1.5 - B)> Rs.15,37,929

Where,

A = Maximum value of Electrical engineering works executed in any one year during the last five years (updated to 2023-24 price level) taking into account the complete as well as works in progress.

N = Number of years prescribed for completion of the works for which Tenders are Invited.

B = Value, at 2023-24 price level, of existing commitments and on-going works to be Completed during the next **1 years** (period of completion of the works for which Tenders are invited)*

Note: *The statements showing the value of existing commitments and ongoing works as well as the stipulated period of completion remaining for each of the works listed should be countersigned by the Employer in charge, not below the rank of an Executive Engineer or equivalent.

*The Form of Tender and demonstrated AATC should be duly signed by the Tenderer.

*The Balance Sheets for the corresponding annual turnover should be enclosed.

3. The successful bidder would be required to give a performance **bank guarantee of 5%** of the contract amount plus additional security for an unbalanced bid amount from a Nationalized / Scheduled Indian Bank, with jurisdiction at Bangalore as specified, towards guarantee for completion of work within the stipulated period.

4. Applications/requisitions from joint venture Firms are not acceptable.

5. Bangalore Water Supply and Sewerage Board (BWSSB) reserve the right to cancel the entire or part of this process of invitation at any time without assigning any reason.

6. For any additional information regarding the above tender, the firms who are interested in quoting, may contact office of the undersigned at the office address given below on all working days during office hours (10:30 hours to 17:00 hours).

7. List of documents to support qualification of bidder is to be uploaded to the Karnataka public procurement website http://kppp.karnataka.gov.in

8. Bidders shall submit offers that comply with the requirements of the bid document, including the basic technical design as indicated in the drawing and specifications. Alternatives will not be considered. The attention of the bidders is drawn to clause 23 regarding the rejection of the bids, which are not substantially responsive to the requirement of the bid document.

9. Other details can be seen in the tender documents. Further details may be had from this office during office hours on all working days. Corrigendum/Addendum/Modification/corrections, if any, will be published in the Web site only.

Executive Engineer
(DE& PS)Division
18th cross, Margosa road
Malleswaram, Bangalor

SECTION 2: INSTRUCTIONS TO TENDERERS (ITT)

TABLE OF CLAUSES

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A. General

1. Scope of Tender

1.1 The ***Executive Engineer (DE&PS) Division*** (Referred to as Employer in these documents) invites tenders following Single cover Karnataka public procurement procedure, from eligible tenderers, for the construction of works (as defined in these documents and referred to as "the work") detailed in the Table given in the Invitation for Tenders (IFT).

2. Eligible Tenderers

2.1 Tenderers shall not be under a declaration of ineligibility for corrupt and fraudulent practices issued by the Government of Karnataka

2.2 Tenders from Joint ventures are not acceptable.

2.3 Contractors should have a valid Electrical **contractor license issued by the KSEI/any other valid authorities.(Class III and above)**

3. <u>Qualification of the Tenderer:</u>

3.1 Contractors should have a valid Electrical **contractor license issued by the KSEI/any other valid authorities.(Class III and above)**

Qualification of the Tenderer:

i All tenderers shall provide the requested information accurately and in sufficient detail in Section 3: Form of Tender and Qualification information.

ii. To qualify for the award of this contract, each tenderer in its name should have in the last five years i.e., 2019-2020 to 2023-2024

(a) satisfactorily completed as prime contractor, at least one similar nature of work consisting supply, installation and commissioning of any capacity OFF grid roof top solar power plant.

3.2 Eligible tenderers will be qualified only if their available tender capacity is more than the total

tender value. The available tender capacity will be calculated as under:

Assessed available tender capacity = (A*N*1.5 - B)> Rs**. 15,37,929**

Where,

A = Maximum value of Electrical engineering works executed in any one year during the last five years (updated to 2023-24 price level) taking into account the complete as well as works in progress.

N = Number of years prescribed for completion of the works for which Tenders are Invited.

B = Value, at 2023-24 price level, of existing commitments and on-going works to be Completed during the next **1 years** (period of completion of the works for which

Tenders are invited)*

Note: *The statements showing the value of existing commitments and ongoing works as well as the stipulated period of completion remaining for each of the works listed should be countersigned by the Employer in charge, not below the rank of an Executive Engineer or equivalent.

*The Form of Tender and demonstrated AATC should be duly signed by the Tenderer.

*The Balance Sheets for the corresponding annual turnover should be enclosed.

3.3 Even though the renderers meet the above criteria, they are subject to be disqualified if they have:

- Made misleading or false representations in the forms, statements and attachments submitted in proof of the qualification requirements; and/or
- Record of poor performance such as abandoning the works, not properly completing the contract, inordinate delays in completion, litigation history, or financial failures etc.; and/or
- participated in the previous Tender for the same work and had quoted unreasonably high tender prices and could not furnish rational justification.

B. Tender documents

4. Content of Tender documents

4.1 The set of tender documents shall have all the Sections given in Page 2:

4.2 Both the sets should be completed and returned with the tender.

5. Amendment of Tender documents

5.1 Before the deadline for submission of tenders, the Employer may modify the tender documents by issuing addenda.

5.2 Any addendum thus issued shall be part of the tender documents and shall be communicated in writing or by cable to all the purchasers of the tender documents.

5.3 To give prospective tenderers reasonable time in which to take an addendum into account in preparing their tenders, the Employer shall extend as necessary the deadline for submission of tenders, in accordance with Sub-Clause 12.2 below.

C. Preparation of Tenders

6. Documents comprising the Tender

6.1 The tender submitted by Karnataka public procurement by the Tenderer shall contain the document as follows:

(a) Earnest Money Deposit;
(b) Qualification Information as per formats given in Section 3;
(c) The Form of Tender (in the format indicated in Section 3)
(d) Priced Bill of Quantities (Section 8);
and any other materials required to be completed and submitted by Tenderers in accordance with these instructions. The documents listed under Sections 3, 4, 6 and 9 shall be filled in without exception.

6.2 Tenderers submitting tenders together with other contracts stated in the IFT to form a package will so indicate in the tender together with any discounts offered for the award of more than one contract.

7. Tender prices

7.1 The contract shall be for the whole works as described in Sub-Clause 1.1, based on the priced Bill of Quantities submitted by the Tenderer.

7.2 The Tenderer shall fill in rates and prices and line-item total (both in figures and words) for all Items of the Works described in the Bill of Quantities along with total tender price (both in figures and words).

Items for which no rate or price is entered by the Tenderer will not be paid for by the Employer when executed and shall be deemed covered by the other rates and prices in the bill of Quantities. Corrections, if any, shall be made by crossing out, initialing, dating and rewrite.

7.3 All duties, taxes, and other levies payable by the contractor under the contract, or for any other cause, shall **be Exclusive** in the rates, prices and total Tender Price submitted by the Tenderer.

7.4 The rates and prices quoted by the Tenderer shall be fixed for the duration of the Contract and shall not be subject to adjustment on any account.

8. Tender validity

8.1 Tenders shall remain valid for a period not less than ninety days after the deadline date for tender submission specified in Clause 12. A tender valid for a shorter period shall be rejected by the Employer as non-responsive.

8.2 In exceptional circumstances, prior to expiry of the original time limit, the Employer may request that the tenderers may extend the period of validity for a specified additional period. The request and the tenderers' responses shall be made in writing or by cable. A tenderer may refuse the request without forfeiting his earnest money deposit. A tenderer agreeing to the request will not be required or permitted to modify his tender, but will be

required to extend the validity of his earnest money deposit for a period of the extension, and in compliance with Clause 9 in all respects.

9. Earnest money deposit

9.1 The Tenderer shall furnish, as part of his tender, earnest money deposit in the amount as shown in column 4 of the Table of IFT for this particular work. The EMD shall be submitted to the Karnataka public procurement portal on or before the time of submission mentioned in IFT. Photocopies of the documents should be not raised.

9.2 Instruments having fixed validity issued as earnest money deposit for the tender shall be valid for 45 days **beyond** the validity of the tender.

9.3 Any tender not accompanied by an acceptable earnest money deposit and not secured as indicated in Sub-Clauses 9.1 and 9.2 above shall be rejected by the Employer as non-responsive.

9.4 The earnest money deposit of unsuccessful Tenderers will be returned within 30 days of the end of the tender validity period specified in Sub-Clause 8.1.

9.5 The earnest money deposit of the successful Tenderer will be discharged when the Tenderer has signed the Agreement and furnished the required Performance Security.

9.6 The earnest money deposit may be forfeited:

(a) If the Tenderer withdraws the Tender after tender opening during the period of tender validity;
(b) If the Tenderer does not accept the correction of the Tender Price, pursuant to Clause 19; or
(c) In the case of a successful Tenderer, if the Tenderer fails within the specified time limit to (i) Sign the Agreement; or
(ii) Furnish the required Security deposit

10. Format and signing of Tender

10.1 The completed bid comprising of documents indicated in ITB 12, should be uploaded by accessing **Karnataka Government** website **http://kppp.karnataka.gov.in**through "**Karnataka public procurement**" along with scanned copies of requisite certificates those are mentioned in different sections in the bid document and scanned copy of Bid Security/EMD in case its provided in the form OTC, NEFT, Debit Card & Credit Card.

10.2 All the documents should be uploaded to the Karnataka public procurement portal. Tenderer should take a print out of the declaration letter provided in the website on company letterhead and should sign, stamp and upload the same KPPP portal.

10.3 The tender shall contain no alterations or additions, except those to comply with instructions issued by the Employer, or as necessary to correct errors made by the Tenderer, in which case such corrections shall be initialed by the person signing the Tender.

D. Submission of Tenders

11. Up-loading and Submission of Tenders

11.1 The Tenders should be uploaded only through Karnataka public procurement portal. Tender should contain

a. All the Documents with required details in prescribed format: those are mentioned in different sections in the Tender. Form of Tender, Declaration statement regarding customs/excise duty exemption for materials/construction equipment brought to site as mentioned in section 2, etc., shall be downloaded, filled with required details, signed, scanned & uploaded to the Karnataka public procurement website **http://kppp.karnataka.gov.in** on or before the time and date indicated in notification/section I IFT.

b. **Tender Security**: Tender security can be paid in the form of OTC, NEFT, DEBIT CARD, and CREDIT CARD

The above documents along with notarized copies of documentary evidences as indicated in Section-II ITT, Section – II Qualification information & Section IV Forms of Tender shall be scanned and uploaded to the website compulsorily, failing which tender will be rejected in view of incomplete bid documents.

c.The Tender shall down load the bill of quantities and key in the rates (in figures only) in the Bill of Quantities sheet and upload the same file on to the website on or before the time and date indicated in notification /section – I, IFT.

Note:

10. URL of the website for tender submission through KPPP portal http://kppp.karnataka.gov.in
11. The details related to submission of tenders, downloading/uploading of documents or other details are available in the help wizard, Vendor manual & FAQ of above website. The same is provided along with sample formats in Annexure-I of the Bid document for ready reference.

12. Deadline for submission of the Tenders

12.1 Tenders must be received by the Employer at the address specified above not **later than 11am hrs on - -2024 .** In the event of the specified date for the submission of tenders being declared a holiday for the Employer, the tenders will be received up to the appointed time on the next working day**.**

12.2 The Employer may extend the deadline for submission of tenders by issuing an amendment in accordance with Clause 5, in which case all rights and obligations of the Employer and the Tenderers previously subject to the original deadline will then be subject to the new deadline.

13. Late Tenders

13.1 Any Tender received by the Employer after the deadline prescribed in Clause 12 will be returned unopened to the tender.

14. Modifications and Withdrawal of Tenders

14.1 Tenderers may modify and withdraw their tenders multiple numbers of times, until the deadline for submission of tenders by operating the relevant provision made in Karnataka public procurement. If the tenderer withdraws the tender before the deadline for submission of tenders and later if he is interested to submit the tender once again, may do so within the stipulated date & time as mentioned in Clause 12. In this case within the stipulated date and time, the tenderer can once again submit the requisition to the officer inviting tenders for access to withdrawn tender document for resubmission. For this tenderer need not make any additional payment towards the cost of tender document. Communication of modification/withdrawal by other means will not be accepted.

14.2 Deleted

14.3 No tender may be modified after the deadline for submission of tenders.

14.4 Withdrawal or modification of a tender between the deadline for submission of tenders and the expiration of the original period of tender validity specified in Clause 8.1 above or as extended pursuant to Clause 8.2 may result in the forfeiture of the earnest money deposit pursuant to clause 9.

14.5 Tenders may only offer discounts for individual items by simply modifying the quoted unit price in the Bill of Quantities. Also, Tenderer may enter their overall discount, at specified location in the Bill of Quantities only, by submitting tender modifications in accordance with this clause. Communication of discount by other means will not be accepted.

E. Tender opening and evaluation

15. Tender Opening:

15.1 The Employer will open all the tenders received (except those received late), including modifications made pursuant to Clause 14, in the present of the Tenderers or their representatives who choose to attend at Date and time specified in Clause 12. In the event of the specified date of tender opening being declared a holiday for the employer, the tenders will be opened at the appointed time and location on the next working day.

15.2 WITHDRAWAL proposal submitted pursuant to clause 14 shall be read out first and their bids shall not be opened.

15.3 The tenderers names, the tender prices, the total amount of each tender, any discounts, Tender modifications and withdrawals, the presence or absence of earnest money deposit (amount, format and validity) the submission of qualification information and such other information as the Employer may consider appropriate will be announced by the employer at the opening. No tender shall be rejected at tender opening except for the late Tenders pursuant to Clause 13. Tenders (and modifications) sent pursuant to Clause 14 that are not opened and read out at Tender opening will not be considered for further evaluation regardless of circumstances.

15.4 The Employer shall prepare minutes of the Tender opening, including the information disclosed to those present in accordance with Sub-Clause 15.3.

16. Process to be confidential

16.1 Information relating to the examination, clarification, evaluation, and comparison of Tenders and recommendations for the award of a contract shall not be disclosed to Tenderers or any other persons not officially concerned with such process until the award to the successful Tenderer has been announced. Any effort by a Tenderer to influence the Employer's processing of Tenders or award decisions may result in the rejection of his Tender.

17. Clarification of Tenders

17.1 To assist in the examination, evaluation, and comparison of Tenders, the Employer may, at his discretion, ask any Tenderer for clarification of his Tender, including breakdowns of unit rates. The request for clarification and the response shall be in writing or by cable, but no change in the price or substance of the Tender shall be sought, offered, or permitted except as required to confirm the correction of arithmetic errors discovered by the Employer in the evaluation of the Tenders in accordance with Clause 19.

17.2 Subject to sub-clause 16.1, no Tenderer shall contact the Employer on any matter relating to its Tender from the time of the Tender opening to the time the contract is awarded. If the Tenderer wishes to bring additional information to the notice of the Employer, it should do so in writing.

17.3 Any effort by the Tenderer to influence the Employer in the Employer's Tender evaluation, Tender comparison or contract award decisions may result in the rejection of the Tenderers' Tender.

18. Examination of Tenders and determination of responsiveness

18.1 Prior to the detailed evaluation of Tenders, the Employer will determine whether each Tender (a) meets the eligibility criteria defined in Clause 2; (b) has been properly signed; (c) is accompanied by the required earnest money deposit and; (d) is substantially responsive to the requirements of the Tender documents.

18.2 A substantially responsive Tender is one which conforms to all the terms, conditions, and specifications of the Tender documents, without material deviation or reservation. A material deviation or reservation is one (a) which affects in any substantial way the scope, quality, or performance of the Works; (b) which limits in any substantial way, inconsistent with the Tender documents, the Employer's rights or the Tenderers obligations under the Contract; or (c) whose rectification would affect unfairly the competitive position of other Tenderers presenting substantially responsive Tenders.

18.3 If a Tender is not substantially responsive, it will be rejected by the Employer, and may not subsequently be made responsive by correction or withdrawal of the nonconforming deviation or reservation.

19. Correction of errors

19.1 Tenders determined to be substantially responsive will be checked by the Employer for any arithmetic errors. Errors will be corrected by the Employer as follows:

a. where there is a discrepancy between the rates in figures and in words, the lower of the two will govern 17: and

b. where there is a discrepancy between the unit rate and the line item total resulting from multiplying the unit rate by the quantity, the unit rate as quoted will govern.

19.2 The amount stated in the tender will be adjusted by the employer in accordance with the above procedure for the correction of errors and, with the concurrence of the tenderer, shall be considered as binding upon the tenderer. If the tenderer does not accept the corrected amount the tender will be rejected, and the earnest money deposit may be forfeited in accordance with sub-clause 9.6 (b).

20. Evaluation and comparison of Tenders

20.1 The Employer will evaluate and compare only the tenders determined to be substantially responsive in accordance with clause 17.

20.2 In evaluating the tenders, the employer will determine for each tender the evaluated tender price by adjusting the tender price as follows:

a. Making any correction for errors pursuant to clause 18; and

b. Making appropriate adjustments to reflect discounts or other price modifications offered in accordance with sub clause 14.5

20.3 The Employer reserves the right to accept or reject any variation, deviation, or alternative offer. Variations, deviations, and alternative offers and other factors, which are in excess of the requirements of the tender documents or otherwise result in unsolicited benefits for the employer shall not be taken into account in tender evaluation.

G. Award of Contract

21. Award criteria

21.1 Subject to Clause 22, the Employer will award the Contract to the Tenderer whose Tender has been determined to be substantially responsive to the Tender documents and who has offered the lowest evaluated Tender Price, provided that such Tenderer has been determined to be (a) eligible in accordance with the provisions of Clause 2, and (b) qualified in accordance with the provisions of Clause 3.

22. Employer's right to accept any Tender and to reject any or all Tenders

22.1 Notwithstanding Clause 21, the Employer reserves the right to accept or reject any Tender, and to cancel the Tender process and reject all Tenders, at any time prior to the award of Contract, without thereby incurring any liability to the affected Tenderer or Tenderers or any obligation to inform the affected Tenderer or Tenderers of the grounds for the Employer's action.

23. Notification of award and signing of Agreement

23.1 The Tenderer whose Tender has been accepted will be notified of the award by the Employer prior to expiration of the Tender validity period by cable, telex or facsimile confirmed by registered letter. This letter (hereinafter and in the Conditions of Contract called the "Letter of Acceptance") will state the sum that the Employer will pay the Contractor in consideration of the execution, completion, and maintenance of the Works by the Contractor as prescribed by the Contract (hereinafter and in the Contract called the "Contract Price").

23.2 The notification of award will constitute the formation of the Contract, subject only to the furnishing of a performance security in accordance with the provisions of Clause 24.

23.3 The Agreement will incorporate all agreements between the Employer and the successful Tenderer. It will be kept ready for signature of the successful Tenderer in the office of Employer within 30 days following the notification of award along with the Letter of Acceptance. Within 20 days of receipt, the successful Tenderer will sign the Agreement and deliver it to the Employer.

23.4 Upon the furnishing by the successful Tenderer of the Security deposit, the Employer will promptly notify the other Tenderers that their Tenders have been unsuccessful.

24. Security deposit

24.1 Within 20 days of receipt of the Letter of Acceptance, the successful bidder would be required to give a **performance bank guarantee of 5%** of the contract price plus **additional security for unbalanced bid amount from a Nationalized / Scheduled Indian Bank,** with jurisdiction at Bangalore as specified, towards guarantee for completion of work within the stipulated period

- Banker's Cheque/Demand draft, /Pay Order in favour of **The Chairman, BWSSB payable at Bangalore**

24.2 If the security deposit is provided by the successful Tenderer in the form of a Bank Guarantee, it shall be issued either by a Nationalized/Scheduled bank.

24.3 The security deposit if furnished in cash or demand draft can, if requested, be converted to interest-bearing securities at the cost of the contractor.

24.4 Failure of the successful Tenderer to comply with the requirements of Sub-Clause 24.1 shall constitute sufficient grounds for cancellation of the award and forfeiture of the earnest money deposit.

25. Corrupt or Fraudulent practices

25.1 The GOK requires that the Tenderers/Suppliers/Contractors, observe the highest standard of ethics during the procurement and execution of such contracts. In pursuance of this policy, GOK.

(a) will reject a proposal for award if it determines that the Tenderer recommended for award has engaged in corrupt or fraudulent practices in competing for the contract in question;

(b) will declare a firm ineligible, either indefinitely or for a stated period of time, to be awarded a GOK contract if it at any time determines that the firm has engaged in corrupt or fraudulent practices in competing for, or in executing, a GOK contract.

25.2 Furthermore, Tenderers shall be aware of the provision stated in sub-clause 43.2 of the Conditions of Contract.

Executive Engineer
(DE & PS)Division

SECTION 3:

FORMS OF TENDER, AND QUALIFICATION INFORMATION

TABLE OF FORMS:	Pg. No.
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- NOTICE TO PROCEED WITH THE WORK	25
- AGREEMENT FORM	25-26

Form of Tender

[Tenderer shall download this page, print on the letterhead+fill in the gaps, put the signature, scan the sheet and upload to the website. Failing which tender will be treated as non-responsive.]

Description of the Works: "Work of Supply, installation and commissioning of 10KW solar roof top plant OFF GRID Solar Power plant on top of the East-2 division office with 5 years of O&M of the plant coming under AEE(DE&PS)-1 sub division."

To,

Executive Engineer (DE & PS) Division
18th cross, Margosa road,
Malleshwaram, Bangalore.

Sir,

We offer to execute the Works described above in accordance with the Conditions of Contract accompanying this Tender for the Contract Price of _____(In figures) (_____) (In letters).

This Tender and your written acceptance of it shall constitute a binding contract between us. We understand that you are not bound to accept the lowest or any Tender you receive.

We undertake that, in competing for (and, if the award is made to us, in executing) the above contract, we will strictly observe the laws against fraud and corruption in force in India namely "Prevention of Corruption Act 1988".

We hereby confirm that this Tender complies with the Tender validity and Earnest money deposit required by the Tenderer documents.

We attach herewith our current income-tax clearance certificate.

Yours faithfully,

Authorize Signature:_____

Name & Title of Signatory:_____

Name of Tenderer:_____

Address:_____

_____

To be filled in by the Tenderer, together with is particulars and date of submission at the bottom of the Form of Tender.

Qualification Information

The following form is to be downloaded, particulars are to be filled, scanned, and uploaded by the Bidder, to the **website:** **http://kppp.karnataka.gov.in** along with the Bid.

Note: The detailed procedure for downloading/uploading the documents will be available in Help Wizard, Vendor manual & FAQ of the above-mentioned website.

The information to be filled in by the Tenderer hereunder will be used for purposes of computing Tender capacity as provided for in Clause 3 of the Instructions to Tenderers. This information will not be incorporated in the Contract.

1.1 Constitution or legal status of Tenderer [Attach copy] (Attach Copy)

Place of Registration _____

(Attach Copy)

Principal place of business: _____

1.2 Total value of Civil engineering Works executed and payments received in the last five years (in Rs. Lakhs)[1]

2019–20_____

2020 –21_____

2021 - 22_____

2022 - 23_____

2023 - 24_____

1.3 Work performed as Prime Contractor (in the same name) on works of similar nature over during the five years specified in 1.2 above.

Project Name	Name of the Employer	Description of Work	Contract Number	Value of Contract Rs. In Lakhs	Date of issue of Work Order	Specified Period of Completion	Actual Date of Completion	Remarks explaining reasons for delay in completion of work
1	2	3	4	5	6	7	8	9

1.4. Information on works for which Tenders have been submitted and works which are yet to be completed as on the date of this Tender.

(A) Existing commitments and on-going works:

[1] Attach Certificate from Chartered Accountant

Description of work	Place & State	Contract No. & Date	Name & Address of Employer	Value of Contract (Rs. Lakhs)	Stipulated period Completion	Value of Works remaining to be complete (Rs. Lakhs)	Anticipated Date of Completion
1	2	3	4	5	6	7	8

(B) <u>Works for which Tenders already submitted:</u>

Description of work	Place & State	Name & Address of Employer	Estimated Value of Works (Rs. Lakhs)	Stipulated Date period of Completion	Date When decision is expected	Remarks if any
1	2	3	4	5	6	7

1.5 The following items of equipment are considered essential for successfully carrying out the works. The tenderer should furnish all the information listed below.

Item of Equipment	Requirement	Owned and available stipulated date period of completion when decision is expected					Remarks.
1	No.	Capacity	Owned	Number/Capacity	Age/Condition		

1.6 Reports on the financial standing of the tenderer, such as profit and loss statements and auditor's reports for the last five years;

1.7 Qualification and experience of the key technical and management personnel in permanent employment with the tenderer and those that are proposed to be deployed on this contract, if awarded.

1.8 Name, address, and telephone, telex, and fax numbers of the Tenderers' bankers who may provide references if contacted by the Employer.

1.9 Proposals for subcontracting components of works amounting to more than 20% of the contract price (for each, the qualification and experience of the identified sub-contractor in the relevant field should be attached).

BANKER'S CERTIFICATE

This is to certify that M/s. …….. is a reputed company with a good financial standing. If the contract for this work, namely …… (name of the work) is awarded to the above firm, we shall be able to provide overdraft/credit facilities to the extent of Rs. …… to meet the working capital requirements for executing the above contract

Sd/-

Name of the Bank, Senior Bank Manger

Address:…….

Letter of Acceptance

To:_____

(Name and Address of the Contractor)

Dear Sirs,

This is to notify you that your Tender dated_____for execution of the _____(name of the contract and identification number, as given in the instructions to Tenderers) for the Contract Price of Rupees_____(_____) (amount in works and figures), as corrected and modified in accordance with the Instructions to Tenderers is hereby accepted by your Agency.

You are hereby requested to furnish Security deposit, in the form detailed in Para 24.1 of ITT for an amount of Rs…….within 20 days of the receipt of this letter of acceptance valid upto 30 days from the date of expiry of Defects Liability Period i.e. upto…….and sign the contract, failing which action as stated in Para 24.3 of ITT will be taken.

Yours faithfully,

Authorized Signature
Name and Title of Signatory
Name of the Agency.

`

Issue of Notice to proceed with the work

To

_____(name and address of the Contractor)

Dear Sirs:

Pursuant to your furnishing the requisite security deposit as stipulated in ITT Clause 24.1 and signing of the contract agreement for the construction of ----------(Name of the Contract) a Tender Price of Rs……., you are hereby instructed to proceed with the execution of the said works in accordance with the contract documents.

Yours faithfully,

(Signature, name and title of signatory authorized to sign on behalf of Employer)

Agreement Form

This agreement, made the _____day of _____20_____, between_____ ___ [name and address of Employer] (hereinafter called "the Employer") of the one part and _____ _____[name and address of contractor] (hereinafter called "the Contractor") of the other part.

Whereas the Employer is desirous that the Contractor execute _____ _____ ____[name and identification number of Contract] (hereinafter called "the Works") and the Employer has accepted the Tender by the Contractor for the execution and completion of such Works and the remedying of any defects therein at a contract price of Rupees.....

NOW THIS AGREEMENT WITNESSETH as follows:

1. In this Agreement, words and expression shall have the same meanings as are respectively assigned to them in the Conditions of Contract hereinafter referred to, and they shall be deemed to form and be read and construed as part of this Agreement.

2. In consideration of the payments to be made by the Employer to the Contractor as hereinafter mentioned, the Contractor hereby covenants with the Employer to execute and complete the Works and remedy any defects therein in conformity in all aspects with the provisions of the Contract.

3. The Employer hereby covenants to pay the Contractor in consideration of the execution and completion of the Works and the remedying the defects wherein the Contract Price or such other sum as may become payable under the provisions of the Contract at the times and in the manner prescribed by the Contract.

4. The following documents shall be deemed to form and be read and construed as part of this Agreement, viz:

i) Letter of Acceptance;
ii) Notice to proceed with the works;
iii) Contractor's Tender;
iv) Contract Data;
v) Conditions of contract (including Special Conditions of Contract);
vi) Specifications;
vii) Drawings;
viii) Bill of Quantities; and
ix) Any other document listed in the Contract Data as forming part of the contract.

In witness whereof the parties thereto have caused this Agreement to be executed the day and year first before written.

The Common Seal of _____
was hereunto affixed in the presence of:

Signed, Sealed and Delivered by the said _____
_____

in the presence of:

Binding Signature of Employer _____
_____

Binding Signature of Contractor _____

Executive Engineer
(DE & PS)Division

SECTION 4: CONDITIONS OF CONTRACT

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Conditions of Contract

A. General

1. Definitions

1.1 Terms which are defined in the Contract Data are not also defined in the Conditions of Contract but keep their defined meanings. Bold letters are used to identify defined terms.

Bill of Quantities means the priced and completed Bill of Quantities forming part of the Tender.

Compensation events are those defined in Clause 38 hereunder.

The **Completion Date** is the date of completion of the Works as certified by the Employer in accordance with Sub Clause38.1.

The **Contract** is the contract between the Employer and the Contractor to execute, complete and maintain the Works. It consists of the documents listed in Clause 2.3 below.

The **Contract Data** defines the documents and other information which comprise the Contract.

The **Contractor** is a person or corporate body whose Tender to carry out the Works has been accepted by the Employer.

The **Contractor's Tender** is the completed Tender document submitted by the Contractor to the Employer.

The **Contract price** is the price stated in the Letter of Acceptance and thereafter as adjusted in accordance with the provisions of the Contract.

Days are calendar days; **months** are calendar months.

A **Defect** is any part of the Works not completed in accordance with the Contract.

The **Defects liability period** is the period named in the Contract Data and calculated from the Completion Date.

The **Employer** is the party who will employ the Contractor to carry out the Works.

Equipment is the Contractor's machinery and vehicles brought temporarily to the Site to construct the Works.

The **Initial Contract price** is the Contract Price listed in the Employer's Letter of Acceptance.

The **Intended Completion Date** is the date on which it is intended that the Contractor shall complete the Works. The Intended Completion Date is specified in the Contract Data. The Intended Completion Date may be revised only by the Employer by issuing an extension of time.

Materials are all supplies, including consumables, used by the contractor for incorporation in the Works.

Plant is any integral part of the Works which is to have a mechanical, electrical, electronic or chemical or biological function.

The **Site** is the area defined as such in the Contract Data.

Specification means the Specification of the Works included in the Contract and any modification or addition made or approved by the Employer.

The **Start Date** is given in the Contract Data. It is the date when the Contractor shall commence execution of the works. It does not necessarily coincide with any of the Site Possession Dates.

A **Subcontractor** is a person or corporate body who has a Contract with the Contractor to carry out a part of the work in the Contract which includes work on the Site.

A **Variation** is an instruction given by the Employer which varies the Works.

The **Works** are what the Contract requires the Contractor to construct, install, and turn over to the Employer, as defined in the Contract Data.

2. Interpretation

2.1 In interpreting these Conditions of Contract, singular also means plural, male also means female or neuter, and the other way around. Headings have no significance. Words have their normal meaning under the language of the Contract unless specifically defined. The Employer will provide instructions clarifying queries about the Conditions of Contract.

2.2 The documents forming the Contract shall be interpreted in the following order of priority:

(1) Agreement
(2) Letter of Acceptance, notice to proceed with the works
(3) Contractor's Tender
(4) Contract Data
(5) Conditions of Contract
(6) Specifications
(7) Drawings
(8) Bill of quantities and
(9) any other document listed in the Contract Data as forming part of the Contract.

3. Law governing contract

3.1 The law governing the Contract is the Laws of India supplanted by the Karnataka Local Acts.

4. Employer's decisions

4.1 Except where otherwise specifically stated, the Employer will decide contractual matters between the Employer and the Contractor.

5. Delegation

5.1 The Employer may delegate any of his duties and responsibilities to other people after notifying the Contractor and may cancel any delegation after notifying the Contractor.

6. Communications

6.1 Communications between parties which are referred to in the conditions are effective only when in writing. A notice shall be effective only when it is delivered (in terms of Indian Contract Act).

7. Subcontracting

7.1 The Contractor may subcontract with the approval of the Employer but may not assign the Contract without the approval of the Employer in writing. Subcontracting does not alter the Contractor's obligations.

8. Other Contractors

8.1 The Contractor shall cooperate and share the Site with other contractors, public authorities, utilities, and the Employer.

9. Personnel

9.1 The Contractor shall employ the technical personnel (of number and qualifications) as may be stipulated by GOK from time to time during the execution of the work. The technical staff so employed shall be available at site as may be stipulated by the Employer.

9.2 If the Employer asks the Contractor to remove a person who is a member of the Contractor’s staff or his work force stating the reasons, the Contractor shall ensure that the person leaves the Site within seven days and has no further connection with the work in the Contract.

10. Employer’s and Contractor's risks

10.1 The Employer carries the risks which this Contract states are Employer’s risks, and the Contractor carries the risks which this Contract states are Contractor’s risks.

11. Employer's risks

11.1 The Employer is responsible for the excepted risks which are

(a) in so far as rebellion, riot commotion or disorder or

(b) a cause due solely to the design of the Works, other than the Contractor’s design.

(C) Any Operation of the forces of nature (in so far as it occurs on the site) which an experienced contractor:

i. Could not have reasonably foreseen; or
ii. Could reasonably have foreseen, but against which he could not reasonably have taken at least one of the following measures:

a. Prevent loss or damage to physical property from occurring by taking appropriates measures or
b. Insure against such loss or damage

12. Contractor's risks

12.1 All risks of loss of or damage to physical property and of personal injury and death which arise during and in consequence of the performance of the Contract other than the excepted risks are the responsibility of the Contractor.

13. Queries about the Contract Data

13.1 The Employer will clarify queries on the Contract Data.

14. Contractor to construct the Works

14.1 The Contractor shall construct the Works in accordance with the Specification and Drawings.

15. The Works to be completed by the Intended Completion Date

15.1 The Contractor may commence execution of the Works on the Start Date and complete them by the Intended Completion Date.

16. Safety

16.1 The Contractor shall be responsible for the safety of all activities on the Site.

17. Discoveries

17.1 Anything of historical or other interest or of significant value unexpectedly discovered on the Site is the property of the Employer. The Contractor is to notify the Employer of such discoveries and carry out the Employer's instructions for dealing with them.

18. Possession of the Site

18.1 The Employer shall give possession of all parts of the Site to the Contractor. If possession of a part is not given by the date stated in the Contract Data the Employer is deemed to have delayed the start of the relevant activities and this will be Compensation Event.

19. Access to the Site

19.1 The Contractor shall allow the Employer and any person authorized by the Employer access to the Site, to any place where work in connection with the Contract is being carried out or is intended to be carried out and to any place where materials or plant are being manufactured/fabricated/assembled for the works.

20. Instructions.

20.1 The Contractor shall carry out all instructions of the Employer which comply with the applicable laws where the Site is located.

B. Time Control

21. Program.

21.1Within the time stated in the Contract Data the Contractor shall submit to the Employer for approval a Program showing the general methods, arrangement, order, and timing for all the activities in the Works.

21.2. The Employer's approval of the Program shall not alter the Contractor's obligations. The Contractor may revise the Program and submit it to the Employer again at any time. A revised Program is to show the effect of Variations and Compensation Events.

22. Extension of the Intended Completion Date

22.1 The Employer shall extend the Intended Completion Date if a Compensation Event occurs or a Variation is issued which make it impossible for Completion to be achieved by the Intended Completion Date.

22.2 The Employer shall decide whether and by how much to extend the Intended Completion Date within 21 days of the Contractor asking the Employer for a decision upon the effect of a Compensation Event or Variation and submitting full supporting information.

23. Delays ordered by the Employer

23.1 The Employer may instruct the Contractor to delay the start or progress of any activity within the Works.

24. Management meetings.

24.1 The Employer may require the Contractor to attend a management meeting. The business of a management meeting shall be to review the progress achieved and the plans for remaining work.

24.2 The responsibility of the parties for actions to be taken is to be decided by the Employer either at the management meeting or after the management meeting and stated in writing to be distributed to all who attended the meeting.

C. Quality Control

25. Identifying defects:

25.1 The Employer shall check the Contractor's work and notify the Contractor of any Defects that are found. Such checking shall not affect the Contractor's responsibilities. The Employer may instruct the Contractor to search for a Defect and to uncover and test any work that the Employer considers may have a Defect.

26. Tests

26.1 The Employer instructs the Contractor to carry out a test not specified in the Specification to check whether any work has a Defect and the test shows that it does, the Contractor shall pay for the test and any samples. If there is no Defect the test shall be a Compensation Event.

27. Correction of defects

27.1 The Employer shall give notice to the Contractor of any Defects before the end of the Defects Liability Period, which begins at Completion and is defined in the Contract Data. The Defects Liability Period shall be extended for a long as Defects remain to be corrected.

27.2 Every time notice of a Defect is given, the Contractor shall correct the notified Defect within the length of time specified by the Employer's notice.

28. Uncorrected defects

28.1 If the Contractor has not corrected a Defect within the time specified in the Employer's notice, the Employer will assess the cost of having the Defect corrected, and the Contractor will pay this amount.

D. Cost Control

29. Bill of Quantities (BOQ)

29.1 The BOQ shall contain items for the construction, installation, testing, and commissioning work to be done by the Contractor.

29.2 The BOQ is used to calculate the Contract Price. The Contractor is paid for the quantity of the work done at the rate in the BOQ for each item.

30. Variations

30.1 The Employer shall have power to order the Contractor to do any or all of the following as considered necessary or advisable during the progress of the work by him.

(a) Increase or decrease of any item of work included in the Bill of Quantities (BOQ):

(b) Omit any item of work:

(c) Change the character or quality or kind of any item of work

(d) Change the levels, lines, positions and dimensions of any part of the work:

(e) Execute additional items of work of any kind necessary for the completion of the works; and

(f) Change in any specified sequence, methods or timing of construction of any part of the work.

30.2 The Contractor shall be bound to carry out the work in accordance with any instructions in this connection, which may be given to him in writing by the Employer and such alteration shall not vitiate or invalidate the contract**.**

30.3 Variations shall not be made by the Contractor without an order in writing by the Employer, provided that no order in writing shall be required for increase or decrease in the quantity of an item appearing in the BOQ so long as the work executed conforms to the approved drawing.

30.4 The Contractor shall promptly request in writing the Employer to confirm verbal orders and if no such confirmation is received within 15 days of request, it shall be deemed to be an order in writing by the Employer.

31. Payments for Variations

31.1 Payment for increase in the quantities of an item in the BOQ up to 25% of that provided in the Bill of Quantities shall be made at the rates quoted by the Contractor.

31.2 For quantities in excess of 125% of the tendered quantity of an items given in the BOQ the Contractor shall be paid at the rate entered in or derived from in the Schedule of Rates (applicable for the area of the work and current at the time of award of contract) plus or minus the overall percentage of the original tendered rates over the current Schedule of Rates prevalent at the time of award of contract.

31.3 If there is no rate for the additional, substituted or altered item of the work in the BOQ, efforts would be made to derive the rates from those given in the BOQ or the Schedule of Rates (Applicable for the area of the work and current at the time of award of contract) and if found feasible the payment would be made at the derived rates for the item plus or minus the overall percentage of the original tendered rates over the current Schedule of Rat6es prevalent at the time of award of contract.

31.4 If the rates for additional, substituted or altered item of work cannot be determined either as at 31.1 or 31.2 or 31.3 above, the Contractor shall be requested to submit his quotation for the items supported by analysis of the rate or rates claimed, within 7 days.

31.5 If the Contractor's quotation is determined unreasonable, the Employer may order the Variation and make a change to the Contract Price which shall be based on Employer's own forecast of the effects of the Variation on the Contractor's costs.

31.6 If the Employer decides that the urgency of varying the work would prevent a quotation being given and considered without delaying the work, no quotation shall be given and the Variation shall be treated as a Compensation Event.

31.7 Under no circumstances the Contractor shall suspend the work on the plea of non-settlement of rates for items falling under this Clause.

32. Submission of bills for payment

32.1 The Contractor shall submit to the Employer monthly bills of the value of the work completed less the cumulative amount paid previously.

32.2 The Employer shall check the Contractor's bill and determine the value of the work executed which shall comprise of (i) value of the quantities of the items in the BOQ completed and (ii) valuation of Variations and Compensation Events.

32.3 The Employer may exclude any item paid in a previous bill or reduce the proportion of any item previously paid in the light of later information.

33. Payments

33.1 Payments shall be adjusted for deductions for retention, other recoveries in terms of the contract and taxes, at source, as applicable under the law. The Employer shall pay the Contractor the within 60 days of submission of bill.

33.2 Items of the Works for which no rate or price has been entered in will not be paid for by the Employer and shall be deemed covered by other rates and prices in the Contract.

34. Compensation events

34.1 The following are Compensation event unless they are caused by the Contractor:

(a). The Employer does not give access to a part of the Site by the Site Possession Date stated in the Contract Data.

(b) The Employer orders a delay or does not issue drawings, specifications or instructions required for execution of works on time.

© The Employer instructs the Contractor to uncover or to carry out additional tests upon work which is then found to have no Defects.

(d) The Employer gives an instruction for dealing with an unforeseen condition, caused by the Employer, or additional work required for safety or other reasons.

(e) The effect on the Contractor of any of the Employer's Risks.

(f) The Employer unreasonably, delays issuing a Certificate of Completion.

(g) Other Compensation Event listed in the Contract Data or mentioned in the Contract.

34.2 If a Compensation Event would cause additional cost or would prevent the work being completed before the Intended Completion Date, the Contract Price shall be increased and/or the Intended Completion Date is extended. The Employer shall decide whether and by how much the Contract Price shall be increased and whether and by how much the Intended Completion Date shall be extended.

34.3 As soon as information demonstrating the effect of each Compensation event upon the Contractor's forecast cost has been provided by the Contractor, it is to be assessed by the Employer and the Contract Price shall be adjusted accordingly. If the Contractor's forecast is deemed unreasonable, the Employer shall adjust the Contract Price based on Employer's own forecast. The Employer will assume that the Contractor will react competently and promptly to the event.

34.4 The Contractor shall not be entitled to compensation to the extent that the Employer's interest is adversely affected by the Contractor not having given early warning or not having cooperated with the Employer.

35. Tax

35.1 The rates quoted by the Contractor shall be deemed to be **EXCLUSIVE** of the sales and other taxes that the Contractor will have to pay for the performance of this Contract. The Employer will perform such duties in regard to the deduction of such taxes at source as per applicable law.

36. Liquidated damages

36.1 The Contractor shall pay liquidated damages to the Employer at the rate per day stated in the Contract Data for each day that the Completion Dates later than the Intended Completion Date. The total amount of liquidated damages shall not exceed the amount defined in the Contract Data. The Employer may deduct liquidated damages from payments due to the Contractor; Payment of liquidated damages does not affect the Contractor's liabilities.

36.2 If the Intended Completion Dates extended after liquidated damages have been paid, the Employer shall correct any overpayment of liquidated damages by the Contractor by adjusting the next payment of bill.

37. Cost of repairs

37.1 Loss or damage to the Works or Materials to be incorporated in the Works between the Start Date and the end of the Defects Correction periods shall be remedied by the Contractor at the Contractor's cost if the loss or damage arises from the Contractor's acts or omissions.

E. Finishing the Contract

38. Completion

38.1 The Contractor shall request the Employer to issue a Certificate of Completion of the Works and the Employer will do so upon deciding that the Work is completed.

39. Taking over

39.1 The Employer shall take over the Site and the Works within seven days of issuing a certificate of Completion.

40. Final account

40.1 The Contractor shall supply to the Employer a detailed account of the total amount that the Contractor considers payable under the Contact before the end of the Defects Liability Period. The Employer shall issue a Defect Liability Certificate and certify any final payment that is due to the Contractor within 90 days of receiving the Contractor's account if it is correct and complete, If it is not, the Employer shall issue within 90 days a Schedule that states the scope of the corrections or additions that are necessary. If the Final Account is still unsatisfactory after it has been resubmitted, the Employer shall decide on the amount payable to the Contractor and make payment within 60 days of receiving the Contractor's revised account.

41. As built drawings

41.1 If “as built” Drawings are required, the Contactor shall supply them by the dates stated in the Contract Data.

41.2 If the Contractor does not supply the Drawings by the dates stated in the Contract Data, or they do not receive the Employer’s approval, the Employer shall withhold the amount stated in the Contract Data from payments due to the Contractor.

42. Termination

42.1 The Employer or the Contractor may terminate the Contract if the other party causes a fundamental breach of the Contract.

42.2 Fundamental breaches of Contract include, but shall not be limited to the following:

a) The Contractor stops work for 45 days when no stoppage of work is shown on the current Program and the stoppage has not been authorized by the Employer.

b) The Employer instructs the Contractor to delay the progress of the Works and the instruction is not withdrawn within 60 days.

c) The Contractor becomes bankrupt or goes into liquidation other than for a reconstruction or amalgamation:

d) A payment due to the Contractor is not paid by the Employer within 90 days of the date of the submission of the Bill by Contractor:

e) The Employer gives Notice that failure to correct a particular Defect is a fundamental breach of Contract and the Contractor fails to correct it within a reasonable period of time determined by the Employer;

f) The Contractor does not maintain a security which is required:

g) The Contractor has delayed the completion of works by the number o days for which the maximum amount of liquidated damages can be paid as defined in the Contract data; and

h) If the Contractor, in the judgment of the Employer has engaged in corrupt or fraudulent practices in competing for or in the executing the Contract.

For the purpose of this paragraph: “corrupt practice” means the offering, giving, receiving or soliciting of anything of value to influence the action of a public official in the procurement process or in contract execution. “Fraudulent practice” means a misrepresentation of acts in order to influence a procurement process or the execution of a contract to the detriment of the Borrower, and includes collusive practice among Tenderers (prior to or after Tender submission) designed to establish Tender prices at artificial non-competitive levels and to deprive the Borrower of the benefits of free and open competition”.

42.3 When either party to the Contract gives notice of a breach of contract to the Employer for a cause other than those listed under Sub-Clause 42.3 above, the Employer shall decide whether the breach is fundamental or not.

42.4 Notwithstanding the above, the Employer may terminate the Contract for convenience.

42.5 If the Contract is terminated the Contractor shall stop work immediately, take the Site safe and secure and leave the Site as soon as reasonably possible.

43. Payment upon Termination

43.1 If the Contract is terminated because of a fundamental breach of contract by the Contractor, the Employer shall prepare bill for the value of the work done less advance payments received up to the date of the bill, less other recoveries due in terms of the contract, less taxes due to be deducted at source as per applicable law and less the percentage to apply to the work not completed as indicated in the Contract Data. Additional Liquidated Damages shall not apply. If the total amount due to the Employer exceeds any payment due to the Contractor the difference shall be a debt payable to the Employer.

43.2 If the Contract is terminated at the Employer's convenience or because of a fundamental breach of Contract by the Employer, the Employer shall prepare ill for the value of the work done, the reasonable cost of removal of Equipment, repatriation of the Contractor's personnel employed solely on the Works, and Contractor's costs of protecting and securing the Works and less advance payments received upto the date of the certificate, less other recoveries due in terms of the contract, and less taxes due to be deducted at source as per applicable law and make payment accordingly.

44. Property.

44.1 All materials on the Site, Plant, Equipment, Temporary Works and Works are deemed to be the property of the Employer, if the Contract is terminated because of a Contractor's default.

45. Release from performance

45.1 If the Contractor is frustrated by any event entirely outside the control of either the Employer or the Contractor the Employer shall certify that the Contract has been frustrated. The Contractor shall make the Site safe and stop work as quickly as possible after receiving this certificate and shall be paid for all work carried out before receiving it and for any work carried out afterwards to which commitment was made.

F. Special Conditions of Contract

1. Labour:

The Contractor shall, unless otherwise provided in the Contract, make his own arrangements for the engagement of all staff and labour, local or other, and for their payment. Housing, feeding and transport.The Contractor shall, if required by the Employer, deliver to the Employer a return in detail, in such form and at such intervals as the Employer may prescribe, showing the staff and the numbers of the several classes of labour from time to time employed by the Contractor on the Site and such other information as the Employer may require.

2. Compliance with labour regulations:

During continuance of the contract, the Contractor and his sub contractors shall abide at all times by all existing labour enactments and rules made there under, regulations, notifications and bye laws of the State or Central Government or local authority and any other labour law (including rules), regulations, bye laws that may be passed or notification that may be issued under any labour law in future either by the State or the Central Government or the local authority.

The Contractor shall keep the Employer indemnified in case any action is taken against the Employer by the competent authority on account of contravention of any of the provisions of any Act or rules made there under, regulations or notifications including amendments. If the Employer is caused to pay or reimburse, such amount as may be necessary to cause or observe, or for non-observance of the provisions stipulated in the notifications/bye laws/Acts/Rules/regulations including amendments, if any, on the part of the Contractor, Employer shall have the right to deduct any money due to the Contractor including his amount of security deposit. The Employer shall also have right to recover from the Contractor any sum required or estimated to be required for making good the loss or damage suffered by the Employer.The employees of the Contractor and the Sub-Contractor in no case shall be treated as the employees of the Employer at any point of time.

3. Protection of Environment:

The contractor shall take all reasonable steps to protect the environment on and off the Site and to avoid damage or nuisance to persons or to property of the public or others resulting from pollution, noise or other causes arising as a consequence of his methods of operation. During continuance of the contract, the contractor and his sub-contractors shall abide at all times by all existing enactments on environmental protection and rules made there under, regulations, notifications and bye-laws of the State or Central Government, or local authorities and any other law, bye-law, regulations that may be passed or notification that may be issued in this respect in future by the State or Central Government or the local authority.

4. Training to BWSSB Staff

Contractor to provide training to the BWSSB staff regarding maintenance of solar modules as directed by BWSSB official during the O&M period as per the contract agreement.

5. Approved Vendor list

Contractor to procure solar grid components for the work from the vendors as per the latest MNRE(Official memorandum) Approval List of models and Manufacturers(ALMM)list.

6. The Tenderer who participate in the bid responsible for, design, manufacture, supply, erection, testing, and commissioning and performance **warranty for a period of 5 years** including material.

7. The Tenderer should adhere to the **Renewable energy sources Department** rules and regulations as laid down by concerned authority.

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SECTION 5: CONTRACT DATA
Items marked "N/A" do not apply in this Contract.

I. The following documents are also part of the Contract:

1.The Employer is : Executive Engineer, (DE & PS) Division.
Address : BWSSB, 18th cross, Margosa Road,
Malleshwaram, Bangalore-560055.

2.Name of authorized Representative: Assistant Executive Engineer, (DE&PS)-1,
Suvarna bhavana, Malleshwaram, Bangalore.

3.The name of the Contract and identification number of the contract is: "Work of Supply, installation and commissioning of 10KW solar roof top plant OFF GRID Solar Power plant on top of the East-2 division office with 5 years of O&M of the plant coming under AEE(DE&PS)-1 sub division."

4.The Works consist of: the "Work of Supply, installation and commissioning of 10KW solar roof top plant OFF GRID Solar Power plant on top of the East-2 division office with 5 years of O&M of the plant.

5.The Intended Completion Date for the whole of the Works is 3 Months

6.The Site Possession Date is: Immediately from date of issue of notice to proceed with the work.

7.The Site is located at: East 2 division, BWSSB

8.The Defects Liability Period is 365 days

9.The liquidated damages for the whole of the works are Rs.0.1% per days/delay

10.The maximum amount of liquidated damages for the whole of the work is ten percent of final contract price.

11.The following events shall also be fundamental breach of the contract:

a. The contractor has contravened Sub-clause 7.1 and Clause 9 of CC.

b. The percentage to apply to the value of the work not completed representing the Employer's additional cost for completing the works shall be 30 percent.

12. Payment for the contract value is as follows**:**

- 60% on supplying of the materials as mentioned in BOQ.
- 20% on commissioning of the work.
- 20%- 4% every year for 5 years on completion of annual maintenance period.

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SECTION 7: SPECIFICATIONS

GENERAL MECHANICAL AND ELECTRICAL WORKS

7.A.1 Applicable Codes and Specifications

Solar PV Modules/Panels

IEC 61215 and IS 14286 Design Qualification and Type Approval for Crystalline Silicon Terrestrial Photovoltaic (PV) Modules

IEC 61701:2011 Salt Mist Corrosion Testing of Photovoltaic (PV) Modules

IEC 61853- 1:2011 / IS 16170-1:2014 Photovoltaic (PV) module performance testing and energy rating –:Irradiance and temperature performance measurements, and power Rating.

IEC 62716 Photovoltaic (PV) Modules – Ammonia (NH3) Corrosion Testing (as per the site condition like dairies, toilets etc)

IEC 61730-1,2 Photovoltaic (PV) Module Safety Qualification – Part 1: Requirements for Construction, Part 2: Requirements for Testing

IEC 62804 Photovoltaic (PV) modules – Test method for detection of potential induced degradation. IEC 62804-1: Part 1: Crystalline Silicon

Solar PV Inverters

IEC 62109 or IS : 16221 Safety of power converters for use in photovoltaic power systems – Part 1: General requirements, and Safety of power converters for usein photovoltaic power systems Part 2: Particular requirements for inverters. Safety compliance (Protection degree IP 65 or better for outdoor mounting, IP 54 or better for indoor mounting)

IS/IEC 61683 latest Photovoltaic Systems – Power conditioners: Procedure for Measuring Efficiency (10%, 25%, 50%, 75% & 90-100% Loading Conditions) (as applicable)

IEC 60068-2 /IEC 62093 (as applicable) Environmental Testing of PV System – Power Conditioners and Inverters

IEC 62116:2014/ IS16169 Utility-interconnected photovoltaic inverters - Test procedure of islanding prevention measures

Fuses

IS/IEC 60947 (Part 1, 2 & 3), EN 50521 Generalsafety requirements for connectors,switches, circuit breakers (AC/DC): 1)Low-voltage Switchgear and Control-gear, Part 1: General rules 2)Low-Voltage Switchgear and Control-gear, Part 2: Circuit Breakers 3)Low-voltage switchgear and Control-gear, Part 3: Switches, disconnectors switch-disconnectors and fuse-combination units 4) EN 50521: Connectors for photovoltaic system-Safety requirementsand tests

IEC 60269-6:2010 Low-voltage fuses - Part 6: Supplementary requirements for fuselinksfor the protection of solar photovoltaic energy systems

Solar PV Roof Mounting Structure

IS 2062/IS 4759/AA6063 T6 Material for the structure mounting

Surge Arrestors

BFC 17-102:2011/ NFC 102:2011/ IEC 62305

Lightening Protection Standard

IEC 60364-5-53/ IS 15086-5 (SPD) IEC 61643- 11:2011 Electrical installations of buildings - Part 5-53: Selection and erection of electrical equipment - Isolation, switching and control Low-voltage surge protective devices - Part 11: Surge protective devices connected to low-voltage power systems - Requirements and test methods

Cables

IEC 60227/IS 694, IEC 60502/IS 1554 (Part 1& 2)/ IEC69947 (as applicable) General test and measuring method for PVC (Polyvinyl chloride) insulated cables (for working voltages up to and including 1100 V, andUV resistant for outdoor installation) BS EN 50618 Electric cables for photovoltaic systems (BT(DE/NOT)258), mainly for DC Cables

Earthing /Lightning

IEC 62561/IEC 60634 Series (Chemical earthing) (as applicable)

IEC 62561-1: Lightning protection system components (LPSC) - Part:Requirements for connection components IEC 62561-2: Lightning protection system components (LPSC) – Part 2:Requirements for conductors and earth electrodes IEC 62561-7: Lightning protection system components (LPSC) - Part 7:Requirements for earthing enhancing compounds

Junction Boxes

IEC 60529 Junction boxes and solar panel terminal boxes shall be of the thermo-plastic type with IP 65 or better protection for outdoor use, and IP 54 or better protection for indoor.

Battery system

The specified standards for storage batteries is IS 16270:2014(Secondary Cells and Batteries for Solar Photovoltaic Applications-General Requirements and Methods of Test).[Ministry of New & Renewable Energy (MNRE) on 5/9/2017 under the BIS Act had notified the Solar Photovoltaics Systems, Devices and Components Goods (Requirements for Compulsory Registration) Order 2017]

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SECTION 7: DRAWINGS

The execution of work should be as per the following drawing and directions of the engineer-in-charge.

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SECTION 8: BILL OF QUANTITIES

"Work of Supply, installation and commissioning of 10KW solar roof top plant OFF GRID Solar Power plant on top of the East-2 division office with 5 years of O&M of the plant coming under AEE(DE&PS)-1 sub division.l."

Sl.No	Description	Unit	Qty	Rate
1	Supply Installation and Commissioning of 10 kWp ,3 Phase Output OFF Grid Solar power plant on roof of East-2 division office. Solar PV cells ->550wp,Module mounting structure Anodised Aluminium AJB Solar PCU/inverter, ACDB/DCDB,Cables & Accessories,System Earthing,System Earthing,Battery back for 2 hours.	set	1	

Note:

1. The item for which no rate or price has been entered in will not be paid for by the Employer when executed and shall be deemed covered by the other rates and prices in the Bill of Quantities (refer: ITB Clause 7.2 and CC Clause 33.2).
2. Unit rates and prices shall be quoted by the Tenderer in Indian Rupees.
3. Where there is a discrepancy between the rate in figures and words, the lower of the two will govern. [ITB Clause 19.1(a)]
4. Where there is a discrepancy between the unit rate and the line-item total resulting from multiplying the unit rate by quantity, the unit rate quoted shall govern [ITB Clause 19.1 (b)]
5. The quoted rate by the Tenderer would be **EXCLUSIVE of GST**

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SECTION 9

FORMAT OF BANK GUARANTEE FOR SECURITY DEPOSIT

To: _____ [name of Employer]

_____ [address of Employer]

WHEREAS _____ [name and address of Contractor] (hereinafter called "the Contractor") has undertaken, in pursuance of Contract No. _____ dated _____ to execute _____ [name of Contract and brief description of Works] (hereinafter called "the Contract");

AND WHEREAS it has been stipulated by you in the said Contract that the Contractor shall furnish you with a Bank Guarantee by a recognized bank for the sum specified therein as security for compliance with his obligations in accordance with the Contract;

AND WHEREAS we have agreed to give the Contractor such a Bank Guarantee;

NOW THEREFORE we hereby affirm that we are the Guarantor and responsible to you, on behalf of the Contractor, up to a total of Rs._____ [amount of guarantee] [2]Rupees_____[in words], and we undertake to pay you, upon your first written demand and without cavil or argument, any sum or sums within the limits of -_____ [amount of guarantee][3]as aforesaid without your needing to prove or to show grounds or reasons for your demand for the sum specified therein.

We hereby waive the necessity of your demanding the said debt from the Contractor before presenting us with the demand.

We further agree that no change or addition to or other modification of the terms of the Contract or of the Works to be performed there under or of any of the Contract documents which may be made between you and the Contractor shall in any way release us from any liability under this guarantee, and we hereby waive notice of any such change, addition or modification.

This guarantee shall be valid until 30 days from the date of expiry of the Defects Liability Period.

Signature and seal of the guarantor _____
Name of Bank _____

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[2]An amount shall be inserted by the Guarantor, representing the percentage of the Contract Price specified in the Contract

[3]An amount shall be inserted by the Guarantor, representing the percentage of the Contract Price specified in the Contract